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OW protein - protein search, using sw model

Run on: September 4, 2002, 14:04:21 : Search time 99.82 Seconds
(without alignments)
114.763 Million cell updates/sec

Title: US-09-052-089A-1
Perfect score: 2384
Sequence: 1 MP1RALCTICSDPFDHSRDV.....VRVKTVP5LPQAKIDFLWS 469

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
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4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2384	100.0	469	US-09-052-089A-1	Sequence 1, Appl1
2	2357	98.9	469	US-08-968-751-2	Sequence 2, Appl1
3	1798.5	75.4	470	US-09-052-089A-2	Sequence 2, Appl1
4	1066	44.7	220	US-09-052-089A-3	Sequence 3, Appl1
5	906	38.0	220	US-09-052-089A-4	Sequence 4, Appl1
6	275	11.5	51	US-09-052-089A-5	Sequence 5, Appl1
7	272	11.4	51	US-09-052-089A-6	Sequence 6, Appl1
8	168.5	7.1	443	US-08-795-475-6	Sequence 6, Appl1
9	158	6.6	2482	US-08-328-254-6	Sequence 6, Appl1
10	158	6.6	3248	US-08-353-700-1	Sequence 6, Appl1
11	158	6.6	3248	PCT-US95-16216-1	Sequence 1, Appl1
12	157	6.6	756	US-09-085-199B-9	Sequence 9, Appl1
13	156	6.5	976	US-09-104-324B-4	Sequence 4, Appl1
14	156	6.5	1939	US-09-310-187A-1	Sequence 1, Appl1
15	154	6.5	1886	US-08-938-105-3	Sequence 3, Appl1
16	152	6.4	2101	US-08-466-390-4	Sequence 4, Appl1
17	152	6.4	2101	US-08-470-950-4	Sequence 4, Appl1
18	152	6.4	2101	US-08-467-781-4	Sequence 4, Appl1
19	152	6.4	2101	US-08-195-487-4	Sequence 4, Appl1
20	152	6.4	2101	US-08-483-924-4	Sequence 4, Appl1
21	152	6.4	2101	US-09-452-294-1	Sequence 4, Appl1
22	149	6.2	896	US-08-095-737-2	Sequence 2, Appl1
23	149	6.2	896	US-08-480-145-2	Sequence 2, Appl1
24	149	6.2	896	US-08-477-389-2	Sequence 2, Appl1
25	149	6.2	896	US-08-477-389-2	Sequence 2, Appl1
26	149	6.2	896	US-08-477-389-2	Sequence 2, Appl1
27	148.5	6.2	1312	US-08-687-080-51	Sequence 51, Appl1

28	147.5	6.2	316	US-08-098-327E-31	Sequence 31, Appl1
29	147.5	6.2	316	US-08-462-625-31	Sequence 31, Appl1
30	147.5	6.2	1090	US-09-085-199B-5	Sequence 5, Appl1
31	147.5	6.2	1312	US-08-592-126-148	Sequence 148, App
32	146.5	6.1	914	US-09-085-199B-4	Sequence 4, Appl1
33	146	6.1	1068	US-09-085-199B-11	Sequence 11, Appl1
34	145.5	6.1	1713	US-08-600-982-24	Sequence 24, Appl1
35	145.5	6.1	1713	PCT-US94-10261A-24	Sequence 24, Appl1
36	144	6.0	376	5180810-1	Patent No. 5180810
37	144	6.0	414	PCT-US93-03077-3	Sequence 3, Appl1
38	142.5	6.0	816	US-08-533-306A-6	Sequence 6, Appl1
39	142.5	6.0	816	US-08-742-923A-6	Sequence 6, Appl1
40	142.5	6.0	885	US-08-533-306A-4	Sequence 4, Appl1
41	142.5	6.0	885	US-08-742-923A-4	Sequence 4, Appl1
42	140	5.9	576	US-08-533-306A-2	Sequence 2, Appl1
43	140	5.9	576	US-08-742-923A-2	Sequence 2, Appl1
44	139.5	5.9	1360	US-09-393-569-2	Sequence 2, Appl1
45	139	5.8	386	US-09-085-199B-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-09-052-089A-1
; Sequence 1, Application US/09052089A
; Patent No. 6346605
; GENERAL INFORMATION:
; APPLICANT: Lee, Soo Y.
; TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
; FAMILY, AND USES THEREOF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; FLOOR
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/052,089A
; FILING DATE: 31-Mar-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
; FRAGMENT TYPE: <Unknown>
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-052-089A-1

Query Match 100.0%; Score 2384; DB 4; Length 469;

Best Local Similarity 100.0%; Pred. No. 1,1e-196;
Matches 469; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MP1RALCTTCSDFPDHSDVAAIHCGHTFHLQCLIOSFETAPSRTPCQCRIOVGKRTIIN 60
Db 1 MP1RALCTTCSDFPDHSDVAAIHCGHTFHLQCLIOSFETAPSRTPCQCRIOVGKRTIIN 60
QY 61 KLEFDLAQEEENVLDREFLNELNDVNAQSLQDKERKRSQVYIIDTLRDLERNNATVS 120
Db 61 KLEFDLAQEEENVLDREFLNELNDVNAQSLQDKERKRSQVYIIDTLRDLERNNATVS 120
QY 121 LQALGKAEMLCSTLKQKMYLEQOODETKQAQEEAGRLRSKMKTMQEIILLQSLPEV 180
Db 121 LQALGKAEMLCSTLKQKMYLEQOODETKQAQEEAGRLRSKMKTMQEIILLQSLPEV 180
QY 181 EEMIRDMGVQSAVEQALAVYCVSLKKEYENLKEARKASGEVADKLKRDLFSSRSKLQTVY 240
Db 181 EEMIRDMGVQSAVEQALAVYCVSLKKEYENLKEARKASGEVADKLKRDLFSSRSKLQTVY 240
QY 241 SELDQAKLELSAQKDLQSAQDKELMSLKKLTMLQETLNLPPVASETVDRVLYESPAVE 300
Db 241 SELDQAKLELSAQKDLQSAQDKELMSLKKLTMLQETLNLPPVASETVDRVLYESPAVE 300
QY 301 VNLKLRPSFRDDIDLNATFDVDTPPARPSSQHGYYEKLCLKESHSPIQDVPKKTCKGP 360
Db 301 VNLKLRPSFRDDIDLNATFDVDTPPARPSSQHGYYEKLCLKESHSPIQDVPKKTCKGP 360
QY 361 RKESQSLSGQSCAGPDEDELVGAPFIYFNALILGQKQKPRPSSSCSKDVYRTGDL 420
Db 361 RKESQSLSGQSCAGPDEDELVGAPFIYFNALILGQKQKPRPSSSCSKDVYRTGDL 420
QY 421 GGRTKFIQPTDYMIRPLPVKPKTKVQKRVKTVPSLSFOAKLDTFLMS 469
Db 421 GGRTKFIQPTDYMIRPLPVKPKTKVQKRVKTVPSLSFOAKLDTFLMS 469

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RESULT 2
US-08-968-751-2
Sequence 2, Application US/08968751
Patent No. 5948643

GENERAL INFORMATION:
APPLICANT: Rudinfeld, Bonnie
APPLICANT: Polakis, Paul G.
APPLICANT: Ligentel, Carol
APPLICANT: Vuong, Terilyn T.
TITLE OF INVENTION: MODULATORS OF BRCA1 ACTIVITY
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: ONYX Pharmaceuticals, Inc.
STREET: 3031 Research Drive
CITY: Richmond
STATE: CA
COUNTRY: USA
ZIP: 94806

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/968,751
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Giotta, Gregory
REGISTRATION NUMBER: 32,028
REFERENCE/DOCKET NUMBER: ONYX1024 GG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 262-8710
TELEFAX: (510) 222-9758
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 469 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-968-751-2

Query Match 98.9%; Score 2357; DB 2; Length 469;
Best Local Similarity 99.1%; Pred. No. 2.3e-194;
Matches 465; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MP1RALCTTCSDFPDHSDVAAIHCGHTFHLQCLIOSFETAPSRTPCQCRIOVGKRTIIN 60
Db 1 MP1RALCTTCSDFPDHSDVAAIHCGHTFHLQCLIOSFETAPSRTPCQCRIOVGKRTIIN 60
QY 61 KLEFDLAQEEENVLDREFLNELNDVNAQSLQDKERKRSQVYIIDTLRDLERNNATVS 120
Db 61 KLEFDLAQEEENVLDREFLNELNDVNAQSLQDKERKRSQVYIIDTLRDLERNNATVS 120
QY 121 LQALGKAEMLCSTLKQKMYLEQOODETKQAQEEAGRLRSKMKTMQEIILLQSLPEV 180
Db 121 LQALGKAEMLCSTLKQKMYLEQOODETKQAQEEAGRLRSKMKTMQEIILLQSLPEV 180
QY 181 EEMIRDMGVQSAVEQALAVYCVSLKKEYENLKEARKASGEVADKLKRDLFSSRSKLQTVY 240
Db 181 EEMIRDMGVQSAVEQALAVYCVSLKKEYENLKEARKASGEVADKLKRDLFSSRSKLQTVY 240
QY 241 SELDQAKLELSAQKDLQSAQDKELMSLKKLTMLQETLNLPPVASETVDRVLYESPAVE 300
Db 241 SELDQAKLELSAQKDLQSAQDKELMSLKKLTMLQETLNLPPVASETVDRVLYESPAVE 300
QY 301 VNLKLRPSFRDDIDLNATFDVDTPPARPSSQHGYYEKLCLKESHSPIQDVPKKTCKGP 360
Db 301 VNLKLRPSFRDDIDLNATFDVDTPPARPSSQHGYYEKLCLKESHSPIQDVPKKTCKGP 360
QY 361 RKESQSLSGQSCAGPDEDELVGAPFIYFNALILGQKQKPRPSSSCSKDVYRTGDL 420
Db 361 RKESQSLSGQSCAGPDEDELVGAPFIYFNALILGQKQKPRPSSSCSKDVYRTGDL 420
QY 421 GGRTKFIQPTDYMIRPLPVKPKTKVQKRVKTVPSLSFOAKLDTFLMS 469
Db 421 GGRTKFIQPTDYMIRPLPVKPKTKVQKRVKTVPSLSFOAKLDTFLMS 469

```

RESULT 3
US-09-052-089a-2
Sequence 2, Application US/09052089A
Patent No. 6346605

GENERAL INFORMATION:
APPLICANT: Lee, Soo Y.
APPLICANT: Choi, Yongwon
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
FAMILY, AND USES THEREOF
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, continental Plaza, 4th
FLOOR
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/052,089A
FILING DATE: 31-Mar-1998
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/052.089A
FILING DATE: 31-Mar-1998
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 220 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHEICAL: NO
FRAGMENT TYPE: Internal
ORIGINAL SOURCE:
ORGANISM: mouse
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-052-089A-4

Query Match 38.0%; Score 906; DB 4; Length 220;
Best Local Similarity 86.0%; Pred. No. 2.8e-70;
Matches 185; Conservative 18; Mismatches 12; Indels 0; Gaps 0;

QY 56 RTIINKLFFDLAEEENVLDREFLKNEIDNVRALQSQDKKRSQYIITPLRTLEERN 115
DB 1 KTIINKLFFDLAEEENVLDREFLKNEIDSVKALQSKDRKRSQAIIITPLRTLEERN 60
QY 116 ATVVSIOALGKAMLCSTLKQKMYLEOODETKQAOEAGRLRSKMYKTMEQJELLLOS 175
DB 61 ATVESLONALNKAMLCSTLKQKMYLEOODETKQAOEAGRLRSKMYKTMEQJELLLOS 120
QY 176 QLPVEEEMINDMGVGSVAEQLAVYCVSLKKEYENLKEARRASGEVADKLKDLFSSRSK 235
DB 121 QPVEEEMINDMGVGSVAEQLAVYCVSLKKEYENLKEARRASGEVADKLKDLFSSRSK 180
QY 236 LQTYSELDAQLELKSADKQDLSADKEIMSLKK 270
DB 181 LKTLNTELDQAKLELRSQKDLQSDDELTSLSRK 215

RESULT 6
US-09-052-089A-5
Sequence 5, Application US/09052089A
Patent No. 6346605
GENERAL INFORMATION:
APPLICANT: Lee, Soo Y.
Choi, Yongwon
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
FAMILY, AND USES THEREOF
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/052.089A
FILING DATE: 31-Mar-1998
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHEICAL: NO
FRAGMENT TYPE: Internal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-052-089A-5

Query Match 11.5%; Score 275; DB 4; Length 51;
Best Local Similarity 96.1%; Pred. No. 5.2e-17;
Matches 49; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 4 RALCTTCSDFPDHSRDVAALHCGHTFHLQCLIOSFETAPSRTPCPOCRIOYG 54
DB 1 RALCTTCSDFPDHSRDVAAMDCGHTFHLQCLIOSFETAPSRTPCPOCRIOYG 51

RESULT 7
US-09-052-089A-6
Sequence 6, Application US/09052089A
Patent No. 6346605
GENERAL INFORMATION:
APPLICANT: Lee, Soo Y.
Choi, Yongwon
TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
FAMILY, AND USES THEREOF
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/052.089A
FILING DATE: 31-Mar-1998
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 51 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
FRAGMENT TYPE: Internal
ORIGINAL SOURCE:
ORGANISM: mouse
SEQUENCE DESCRIPTION: SEQ ID NO: 6
US-09-052-089a-6

Query Match 11.4%; Score 272; DB 4; Length 51;
Best Local Similarity 96.0%; Pred. No. 9,4e-17;
Matches 48; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 ALCCTGSDFFDHSRDVAATHCGHTFHLCCLIOSFFETAPSTCTCQCRIQVG 54
DB 2 SLCTTCSDFDHSRDVAATHCGHTFHLCCLIOSFFETAPSTCTCQCRIQVG 51

RESULT 8
US-08-795-475-6
Sequence 6, Application US/08795475
Patent No. 5965390

GENERAL INFORMATION:
APPLICANT: Bjvrck, Lars
TITLE OF INVENTION: SJVRCK, ULF
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 11-FEB-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mcmasters, David D.
REGISTRATION NUMBER: 33,963
REFERENCE/DOCKET NUMBER: 100084.402D1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 443 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-475-6

Query Match 7.1%; Score 168.5; DB 2; Length 443;
Best Local Similarity 20.7%; Pred. No. 1.5e-06;
Matches 73; Conservative 76; Mismatches 136; Indels 67; Gaps 11;

QY 64 FDLAQEEENLVDEFLKNELDNVRAQLSOK-DREKRDQVYITDRLTLEERNATVVSLO 122
DB 78 YDLAKESTS-WDRQLEKKELEKKKEALELADQASRDYHATALEKELEKKKALELATID 136
QY 123 QALGKRAMCSTLKKQMKYILEQODETK---QAQAEAGLRKSKM--TMEQLELLLSQ 176
DB 137 QA-SQDYNRANVALEKETTTREDEINRNLLGNAKLELDLSSKEQDLTEKAKLEBEKQ 195

QY 177 LPEV--EEMIRMGVQSAVEQALVAVYCSLKKREYNLKEARRASGEVADLKRDLFFSSR- 233
DB 196 ISDASRQSLRDLDAASRAKQVEKDLNLTLAEIDKVKEDKQSDASRQRLRDLDAASRE 255
QY 234 -----SKLQTYSELDQAKLE-----LKSQKDLQSDADEINS 266
DB 256 AKQVEKDLNLTLAEIDKVEEKQISDASRQRLRDLDAASRAKQVEKALEEANSKLAA 315
QY 267 LKKKLTMLQETLNLPPVASFTVDRLVLESPAPVEVNLKLRPSFRDDIDLNA----- 318
DB 316 LEKLNKELES-----KLTKEKAEIQAKLEADAKALKQDLKQAELEAKLRA 364
QY 319 --TFVDTPPARPSSQHGVEKLEKSHSPIQDVPKRIKGPRESQSL 368
DB 365 GKASDSQFTPTKGN-----KAVPGKQQAQAGTKRPQNNAPMKETKROL 409

RESULT 9
US-08-328-254-6
Sequence 6, Application US/08328254
Patent No. 5710022

GENERAL INFORMATION:
APPLICANT: Zhu, Xueliang
TITLE OF INVENTION: A No. 5710022el Nuclear Mitotic Phosphoprotein
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
FILING DATE: 24-OCT-1994
CLASSIFICATION: 435
APPLICATION NUMBER: US 08/328,254
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/141,239
FILING DATE: 22-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-CJ 1191
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 2482 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-328-254-6

Query Match 6.6%; Score 158; DB 1; Length 2482;
Best Local Similarity 23.2%; Pred. No. 0.00014;
Matches 56; Conservative 55; Mismatches 94; Indels 36; Gaps 6;

QY 74 LDREFLKNELDNVRAQLSOKDEKERSQVYITDRLTLEERNATVVSLOALGKA-EMLC 132
DB 1571 LDVLTLRSEKENLTQIQKQKQGLSELDKLSSFKSLBEKQAEIQIKRESSTAVEMQ 1630
QY 133 STLAKQ-----WKYLEQOOD---ETKQAEAGLRKSKMTMEDIELLSQ 175
DB 1631 NQKELNEAVAAALCGDQEIWKATEOSLDPIIEEHOLRNSIERLRLARLEADEKROLCVLD 1690

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Oy 176 QLP-----VEEMRDGVQSAVEOLAAVYCSLKKEVEENKARASEVADK 224
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1691 QLRSEHHADLGRVENELEIRLARTNGEHHALAEENKSEGEVELTKKIEGMSQJRG 1750
Oy 225 LRKLFSRSKLTQVYSELDO-----AKLEL--KSQKRLQSDADEINSLKKKLMLDOET 277
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1751 LELDVVTRSEKENLVELQEDERISELEIINSSEFNILQEKDEQRYOMKESTAMEM 1810
Oy 278 L 278
      |||
Db 1811 L 1811

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: RESULT 10
: US-08-353-700-1
: Sequence 1, Application US/08353700
: Patent No. 5599919
: GENERAL INFORMATION:
: APPLICANT: YEN, TIMOTHY J.
: APPLICANT: RATNER, JEROME B.
: TITLE OF INVENTION: NUCLEIC ACID ENCODING A
: TITLE OF INVENTION: TRANSIENTLY-EXPRESSED KINETOCHORE PROTEIN.
: TITLE OF INVENTION: AND METHODS OF USE
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: DANN, DOFFMAN, HERRELL AND SKILLMAN
: STREET: 1601 MARKET STREET, SUITE 720
: CITY: PHILADELPHIA
: STATE: PA
: COUNTRY: USA
: ZIP: 19103-2307
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/353,700
: FILING DATE: 09-DEC-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: REED, JANET E.
: REGISTRATION NUMBER: 36,252
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (215) 563-4100
: TELEFAX: (215) 563-4044
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3248 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: HUMAN
: IS-08-353-700-1

```

Query Match	6.6%	Score 158;	DB 1;	Length 3348;
Best Local Similarity	23.28;	Pred. No. 0.00021;		
Matches	56;	Conservative	55;	Mismatches 94; Indels 36; Gaps 6;
QY	LDREFLNELNVNRKQLSCKDKERKDSQYIIDTLRDTLEERNATVVSLOALGKA-EMLC	132		
Db	LDLVTLRSEKENVTRQIOEKQQLSELDKLKLSFFKSLLEFKQAEITQIKESKTAVEMQ	2358		
QY	133 STLRKQ-----MKYLEQOOD-----ETKQAEQFAGRLSKMTMEQIETLLQS	175		
Db	2359 NQKLELNVAVALCGDQGLKMATGESLDPPRIEEHQRLNRSTIKLARLEADEKKQLCVQ	2418		
QY	176 QLPF-----VEEMIRDMGVGASAEVLAVYCVSLKREYENLKEARRASGEVADK	224		

Db	2419	ÖKSEHHADLÖGRVENDLEREJLEIARTÖEHAHALEAENSKEVEVETLAKKIEGMÖSLUG	2478
QY	225	LKRDLFSSRSKLÖTVYSELDO---AKLEL--KSAQKDLOGADXEYLSLKKKLTLMÖET	277
Db	2479	LELVVYVITREKEKNTLMELOKÖÖERISELEITINSFEENILÖKEÖOKVOMKEKSETAMEM	2538
QY	278	L	278
Db	2539	L	2539

```

11 RESULT
12 PCT-US95-16216-1
13 Sequence 1, Application PC/TUS9516216
14 GENERAL INFORMATION:
15 APPLICANT: Yen, Timothy J.
16 TITLE OF INVENTION: Nucleic Acid Encoding a Transiently
17 TITLE OF INVENTION: Expressed Kinetochores Protein, and Methods of Use
18 NUMBER OF SEQUENCES: 4
19 CORRESPONDENCE ADDRESS:
20 ADDRESSEE: Dann, Dorfman, Herrell and Skillman
21 STREET: 1601 Market Street Suite 720
22 CITY: Philadelphia
23 STATE: PA
24 COUNTRY: USA
25 ZIP: 19103-2307
26 COMPUTER READABLE FORM:
27 MEDIUM TYPE: Floppy disk
28 COMPUTER: IBM PC compatible
29 OPERATING SYSTEM: PC-DOS/MS-DOS
30 SOFTWARE: PatentIn Release #1.0, Version #1.30
31 CURRENT APPLICATION DATA:
32 APPLICATION NUMBER: PCT/US95/16216
33 FILING DATE:
34 CLASSIFICATION:
35 PRIOR APPLICATION DATA:
36 APPLICATION NUMBER: US 08/353,700
37 FILING DATE: 09-DEC-1995
38 ATTORNEY/AGENT INFORMATION:
39 NAME: Reed, Janet E.
40 REGISTRATION NUMBER: 36,252
41 TELECOMMUNICATION INFORMATION:
42 TELEPHONE: (215) 563-4100
43 TELEFAX: (215) 563-4044
44 INFORMATION FOR SEQ. ID NO: 1:
45 SEQUENCE CHARACTERISTICS:
46 LENGTH: 3248 amino acids
47 TYPE: amino acid
48 STRANDEDNESS: not relevant
49 TOPOLOGY: not relevant
50 MOLECULE TYPE: protein
51 HYPOTHEetical: NO
52 ANTI-SENSE: NO
53 PCT-US95-16216-1

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Query Match	6.6%	Score 158:	DB 5:	Length 3248:
Best Local Similarity	23.2%:	Pred. No. 0.00021:		
Matches	56:	Conservative	55:	Mismatches 94: Indels 36: Gaps 6:
QY	74	LDREFLNKLNINVRQAOLSKDKERKDSOVIITDLDTEERNATVNSLQOALGKA-EMLC	132	
Db	2259	LDVYLRSKEKNTPTQIOEKQGSLELKLSSFFSLSEKQQAQLIKESKTVEMQ	2358	
QY	133	STLKKQ-----MKYLEQOQD---ETKQAQEEAGRLRSKMTMQEIIILLOS	175	
Db	2359	NQKLKELNVAVALGQDQETMKATQDSLPPIEEHQRLRSIKTLRARLEADKKQCLVQ	2418	
QY	176	QLPE-----VEEMIRDMGVCQSAVEDLAVYCYSLKREYENLKEARKASGEVADK	224	
Db	2419	QLKSEHNADLLKGRVENIERLELTARINQDEALAEANSKCEVETLAKLEGMTQSLNG	2478	

[illegible]

```

Db      195 SELVONHADLLRKNAHEVSKQYVSVARQO-----VDLEREKKELADSPARVSQAOQRKT 247
QY      218 --SGGVADLRKLDLFSSSSKLTQTVISELDQAKLELSAKOKLQSDKDELMSLKKLTMQ 275
Db      248 QEOQDVLENLKHELTSRQELVHLSHNL-----TSAOSEAKWLTQIAELK 294
QY      276 ETLNLPVASFVVDLVLESAPAEVNILKRRPSFRDIDNATVDVDPARPSSQ-- 333
Db      295 EOGSLATVAAQOEEL-----SALRDO-----STQK 323
QY      334 -HGYEKLCELEKSHSPIDVPKICKGPKRESQLGQ-----SCAGEPDEELY 382
Db      324 LAGNESMCOQ-----VDDQRTLAGITRKAEREIQLSLEPRTLISCAGSDHLL- 377
QY      383 GAFPIFVRNALIGOKOPKRPRESSCSKDVYRTG 416
Db      378 -----SKVSSVSCLEQLERKNG 394

RESULT 13
US-09-104-324B-4
; Sequence 4, Application US/09104324B
; Patent No. 6232460
; GENERAL INFORMATION:
; APPLICANT: T rec'i, Ozlem; Sahin, Ugur; Pfrendschuh, Michael
; TITLE OF INVENTION: Methods For Diagnosis And Treating Cancers,
; TITLE OF INVENTION: And Methods For Identifying Pathogenic Markers In A Sample
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fulbright & Jaworski LLP
; STREET: 666 Fifth Avenue
; CITY: New York City
; STATE: New York
; ZIP: 10103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 144 kb storage
; COMPUTER: IBM
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/104,324B
; FILING DATE: 25-June-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/892,702
; FILING DATE: 15-July-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 6232460man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5491
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 318-3000
; TELEFAX: (212) 752-5958
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 976 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-09-104-324B-4

Query Match 6.5%; Score 156; DB 4; Length 976;
Best Local Similarity 23.3%; Pred. No. 5.6e-05;
Matches 86; Conservative 51; Mismatches 110; Indels 122; Gaps 16;

QY      68 QEE-----ENVLDRFF-LKNELDVYRAQLSOKDKERDSQVYIIDRLTLEERNATVVS 120
Db      554 QERMLKQLEINQETQRLNELEYREEL-----KOKRD-----E 589
QY      121 LQDALGKAMLSLTKKM-----KYLEQODDFKQAOEAGRLRSKMTMEQI-----EL 171

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Db 590 VKCKLSESENCNNLRKOVENKNRYIEBLOENK-ALKKGTASKOLNVEIKVKNLEL 648
OY 172 LLOSO-----LPEVE--EMIRDMGV-----QSAVE 195
Db 649 ELESAROKFGFITDYOKETIEDKIKISEENLLEEVKAKVLADEVKVKLOKETIDKRCQKIA 708
OY 196 QLAIVCVSLKEKVENLKEARRASGEVADKLKDLSESSRSKLOTVYSELDAKLELSAKO 255
Db 709 EMVALMEKHKHQYDKIIEERSELGLYKSKRQEOSSLRASLEI---ELSNLKAELLSVK 765
OY 256 DLOADKEIMSLKKKLMLOETLMPVAVSETVRLVLESPAPVEVNLKLRPSF----- 310
Db 766 QLEIEREKEKLRKEAR--ENTATLKKEKDKKKTQTFLETP--EIIWKLDKSAVPSQTV 820
OY 311 -----RDDIDLNATFDVDFP-----PARPSSOHGYEKLCKLESH 346
Db 821 SRNFTSVDHGSKDKRQYLTWSAKNTLSTPLPKAVTYKTPPKALOOR-----ENLN 872
OY 347 SPIQDVPRK 355
Db 873 IPRESKKK 881

RESULT 14
US-09-310-187A-1
; Sequence 1, Application US/09310187A
; Patent No. 6358751
; GENERAL INFORMATION:
; APPLICANT: Benichou, Gilles
; APPLICANT: Fedoseyeva, Eugenia
; TITLE OF INVENTION: Involvement of Autoantigens in Cardiac
; FILE REFERENCE: UCSF-090
; CURRENT APPLICATION NUMBER: US/09/310,187A
; CURRENT FILING DATE: 1999-05-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1939
; TYPE: PRF
; ORGANISM: Homo sapiens
US-09-310-187A-1

Query Match 6.5%; Score 156; DB 4; Length 1939;
Best Local Similarity 22.1%; Pred. No. 0.00015;
Matches 75; Conservative 59; Mismatches 127; Indels 78; Gaps 10;

OY 79 LKNELDNVAQLSOKDKERDSQVITDRLDTEERNATVSLQALGKAEMLCSTLKQ 138
Db 1289 LAROLEKEKALISOLTRGKLSYTOQMEDLKROLEEGKAKNALAHALQSAHDDLLR-- 1346
OY 139 MKYLEQOODETK-----QAQEFAGRLRSKMT-----MQIETLLQSQLPEV 180
Db 1347 ----EYEEETEKAKELQRYLSKANSEVAQWRKYETDAIQRTTELEAKKKLAQRLODA 1402
OY 181 EEMIRDMGVGSAAVEOLAVVCSLSK-----EYENLK---EARKASGEVADKLKRDLP 230
Db 1403 EE-----AVEAVNACSSLEKTKHRLQNETEDLMADVERSNAAAAALDKQKNFND 1452
OY 231 SSRSKLOTVYSELDAKLELSAKODLSADKEIMSLKKL-----TMLQETLNLPP 282
Db 1453 KILAEWKQKYE---SSELESSOKEARSLSTELFKLNAYESLHLETFKRENNKLOE 1509
OY 283 VASETVDRVLVLESPAPVEVNLKLRPSFRDDIDLNATFDVDFTPPARPSSOHGYEKLCL 342
Db 1510 EISDLTEQLG-EGGKNVHELEKIRKOLEVEKLELOS-----AL 1546
OY 343 KSHSPIQDVPRKTKCKPRKESQSLSGGOSACGPRDEL 381
Db 1547 EEAASLEHEEGKILRAQLEFNQIKAEIERKLAEKDEEM 1585

RESULT 15
US-08-938-105-3
; Sequence 3, Application US/08938105
; Patent No. 6351151
; GENERAL INFORMATION:
; APPLICANT: Leinwand, Leslie A.
; APPLICANT: Vikstrom, Karen L.
; TITLE OF INVENTION: TRANSGENIC MODEL FOR HEART FAILURE
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross P.C.
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: CO
; COUNTRY: U.S.A.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,105
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Crook, Mannel M.
; REGISTRATION NUMBER: 31,071
; REFERENCE/DOCKET NUMBER: 3595-4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-0223
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1886 amino acids
; TYPE: amino acid
; TOPOLOGY: 1linear
; MOLECULE TYPE: protein
US-08-938-105-3

Query Match 6.5%; Score 154; DB 4; Length 1886;
Best Local Similarity 20.6%; Pred. No. 0.00021;
Matches 82; Conservative 78; Mismatches 148; Indels 90; Gaps 13;

OY 28 TFIHLQLIQSFETAPRTCPQCRIOYGKRTI---INKLFFDLAQEEENVLD-----REFLK 80
Db 1181 TSHMEQITKA-----KANLEKVSRTLEDQANEYRVKLEEAQORSLSLDTTORAKQ 1230
OY 81 NELDNVAQLSOKD-----KEKRSQVITDRLDTEE---RNAVVSLLQALGKAE 129
Db 1231 TENGELAROLEKEKALIMOLTRGKLSYTOQMEDLKROLEEGKAKNALAHALQSAHDD 1290
OY 130 MLCSTLKQMKYLEQOODETKQAQEFAGRLRSKMT-----MQIETLLQSQLPEV 181
Db 1291 LIREQYEEEMAKAEQLQRYLSKANSEVAQWRKYETDAIQRTTELEAKKKLAQRLODAE 1350
OY 182 EEMIRDMGVGSAAVEOLAVVCSLSK-----EYENLK---EARKASGEVADKLKRDLP 231
Db 1351 E-----AVEAVNACSSLEKTKHRLQNETEDLMADVERSNAAAAALDKQKNFND 1400
OY 232 SRSKLOTVYSELDAKLELSAKODLSADKEIMSLKKL-----TMLQETLNLPPV 283
Db 1401 ILAEWKQKYE---SSELESSOKEARSLSTELFKLNAYESLHLETFKRENNKLOE 1457
OY 284 ASETVDRVLVLESPAPVEVNLKLRPSFRDDIDLNATFDVDFTPPARPSSOHGYEKLCL 343
Db 1458 ISDLTEQLG-EGGKNVHELEKIRKOLEVEKLELOS-----ALE 1494
OY 344 KSHSPIQDVPRKTKCKPRKESQSLSGGOSACGPRDEL 381
Db 1495 EEAASLEHEEGKILRAQLEFNQIKAEIERKLAEKDEEM 1532

RESULT 16
US-08-466-390-4
; Sequence 4, Application US/08466390
; Patent No. 5686562
; GENERAL INFORMATION:
; APPLICANT: TOUKATLY, GARY
; APPLICANT: LIGARD, GRAHAM P
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE
; TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: 125 HIGH STREET
; CITY: BOSTON
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,390
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: PITCHER ESQ, EDMUND R
; REGISTRATION NUMBER: 27,829
; REFERENCE/DOCKET NUMBER: MTP-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2101 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-466-390-4

Query Match 6.4%; Score 152; DB 1; Length 2101;
Best Local Similarity 21.0%; Pred. No. 0.00037;
Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

QY 44 RTCPQCRIO---VGKRTIINKLFFDLQEEENV---LDREFLKNELDNVRAQLSOK- 93
DB 1421 RTAQQLRAEKASYAEOLSMKKAHGLAEENRGLGERANLGRQLEVLDOAREKYYQEL 1480
QY 94 -----DKEKDSOV---ITDLRD-----TLEERNATVYSIQALGKRAEML 131
DB 1481 AAVRAADETRLAEQVRAOSTARELEVMTAKYEGAKVYLEERORFQEEBOKTLAQVEEL 1540
QY 132 CSTL-----KKOMKYLEQOODETKOAEAGRLRSKMTMQEIELLOSOLPEVEM 184
DB 1541 SKRLASDQASKYQOQKLAQVQAGGESQDAQRFQALNE-----LQALQSOKEO-- 1591
QY 185 RDMGVGSAVEQOLAVVCSLKEKEYENLKEARKASGE---VADLRKDLFSSRSKLTQVVS 241
DB 1592 -----AAEHKKLQMEKAKTHYDAKKQONQELQRLSLEQKQNKELRAAEKELGH 1643
QY 242 ELDOAKLELSAOKDLOSASKEIMSLKKLTMLQETLNLPPVASEYVDRLVLESAPAVEV 301
DB 1644 ELQOAGLKTAEQTCNHLTAQVRSLEAOVAHADQOL-----RDIGKFOVATDA--- 1692
QY 302 NLKLRSFSRDDIDLNA-TEVDVTPPARPSSSQHGYEKLCLLEKSHSPIDQVPRKICKGP 360
DB 1693 -LKSREPQAKFQDLSTLSDLSLDSCEESTPLS-----ITSKL---P 1728
QY 361 KRESQSLGQSCAGEPDEELVGAFPIFVNAILGQKOPRPRSESSC-----SKDV 412

DB 1729 RTQPD-----GTSVGPGE-----ASPI-----SQRLLPKVESLSLXYFTPIPARSQAP 1771
QY 413 VRTGFDGLG-----GRTKFIQPDYTYMIRPLPK 441
DB 1772 LSSLDLSLGVFLDSGRKTRRSARRRTQIINIMTKRLDVE 1812

RESULT 17
US-08-470-950-4
; Sequence 4, Application US/08470950
; Patent No. 5698439
; GENERAL INFORMATION:
; APPLICANT: TOUKATLY, GARY
; APPLICANT: LIGARD, GRAHAM P
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE
; TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: 125 HIGH STREET
; CITY: BOSTON
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,950
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: PITCHER ESQ, EDMUND R
; REGISTRATION NUMBER: 27,829
; REFERENCE/DOCKET NUMBER: MTP-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2101 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-470-950-4

Query Match 6.4%; Score 152; DB 1; Length 2101;
Best Local Similarity 21.0%; Pred. No. 0.00037;
Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

QY 44 RTCPQCRIO---VGKRTIINKLFFDLQEEENV---LDREFLKNELDNVRAQLSOK- 93
DB 1421 RTAQQLRAEKASYAEOLSMKKAHGLAEENRGLGERANLGRQLEVLDOAREKYYQEL 1480
QY 94 -----DKEKDSOV---ITDLRD-----TLEERNATVYSIQALGKRAEML 131
DB 1481 AAVRAADETRLAEQVRAOSTARELEVMTAKYEGAKVYLEERORFQEEBOKTLAQVEEL 1540
QY 132 CSTL-----KKOMKYLEQOODETKOAEAGRLRSKMTMQEIELLOSOLPEVEM 184
DB 1541 SKRLASDQASKYQOQKLAQVQAGGESQDAQRFQALNE-----LQALQSOKEO-- 1591
QY 185 RDMGVGSAVEQOLAVVCSLKEKEYENLKEARKASGE---VADLRKDLFSSRSKLTQVVS 241
DB 1592 -----AAEHKKLQMEKAKTHYDAKKQONQELQRLSLEQKQNKELRAAEKELGH 1643
QY 242 ELDOAKLELSAOKDLOSASKEIMSLKKLTMLQETLNLPPVASEYVDRLVLESAPAVEV 301
DB 1644 ELQOAGLKTAEQTCNHLTAQVRSLEAOVAHADQOL-----RDIGKFOVATDA--- 1692

QY 302 NLKLRPSFRDDIDLNA-TFVDVTPPARPSSOHGYEKLCEKSHSPIDVPPKICKP 360
Db 1693 -LKSRFPQARQDLSIDSLDSCSECTPLS-----ITSKL---P 1728
QY 361 RKESQSLGSGSCAGEDEELVGAFFVNRNAILGOKPKRPRESSC-----SKDV 412
Db 1729 RTQPD---GTSVGPGE-----ASPI-----SQRLLPKVSLSLFTPTPIPARSQAP 1771
QY 413 VRTGFDGLG-----GRTKFIQPTDVTVMIRPLPVK 441
Db 1772 LESSLDSLGDFVLDGKRTSARRRTQIINITMTKKLDVE 1812

RESULT 18
US-08-467-781-4
; Sequence 4, Application US/08467781
; Patent No. 5780596
; GENERAL INFORMATION:
; APPLICANT: TONKATLY, GARY
; APPLICANT: LIDGARD, GRAHAM P
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE
; TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: 125 HIGH STREET
; CITY: BOSTON
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,781
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: PITCHER ESQ, EDMUND R
; REGISTRATION NUMBER: 27,829
; REFERENCE/DOCKET NUMBER: MTP-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2101 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-467-781-4

Query Match 6.4%; Score 152; DB 1; Length 2101;
Best Local Similarity 21.0%; Pred. No. 0.00037;
Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

QY 44 RCPQOCRIQ-----VGKRTIINKLFEPDLAOGEEV-----LDREFLKNELDNVRAQLSOK- 93
Db 1421 RTAQOQLAEKASYAEOLSLMKKAHGLAENRGLGERANRGRFLFLEVLDOAREKRYOEL 1480
QY 94 -----DKEKRDsov-----IIDTLRD-----TLEERNATVVSLSQALGRAEML 131
Db 1481 AAVRADAETLAELVORAGOSTARELEVMYAKYBSAKVYLBERRORFOEEROKLTAQVEEL 1540
QY 132 CSTL-----KROMKYLEOQODETKOQOEAGRLRSKMTMEQIEILLQOLPEVEEMI 184
Db 1541 SKRLADSDASKYQOQKLRKAVQAQSGESQOEAQFOQLNE-----LQAQLSQRKQ-- 1591
QY 185 RDMGVGSAVEQLAVYCVSLKKEYENLKEARKASGE--VADKIRKDLFSRSKLOTVYS 241

Db 1592 -----AAEHYKLQNEKAKTHYDANKQOQNOELQEOJLSLELOKENEKELRAEERLGH 1643
QY 242 ELDOAKLELSAOKDLOSADKEIMSLKKKLTMLQETLNLPPVASETVDRVLSPAPAVEV 301
Db 1644 ELQAGAKTKEAEETCHLTLAQRVSLAQVAHADQOL-----RDGKQVATDA----- 1692
QY 302 NLKLRPSFRDDIDLNA-TFVDVTPPARPSSOHGYEKLCEKSHSPIDVPPKICKP 360
Db 1693 -LKSRFPQARQDLSIDSLDSCSECTPLS-----ITSKL---P 1728
QY 361 RKESQSLGSGSCAGEDEELVGAFFVNRNAILGOKPKRPRESSC-----SKDV 412
Db 1729 RTQPD---GTSVGPGE-----ASPI-----SQRLLPKVSLSLFTPTPIPARSQAP 1771
QY 413 VRTGFDGLG-----GRTKFIQPTDVTVMIRPLPVK 441
Db 1772 LESSLDSLGDFVLDGKRTSARRRTQIINITMTKKLDVE 1812

RESULT 19
US-08-195-487-4
; Sequence 4, Application US/08195487
; Patent No. 5783403
; GENERAL INFORMATION:
; APPLICANT: TONKATLY, GARY
; APPLICANT: LIDGARD, GRAHAM P
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE
; TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA HURWITZ & THIBEAULT
; STREET: 53 STATE STREET
; CITY: BOSTON
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/195,487
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/901,701
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: PITCHER ESQ, EDMUND R
; REGISTRATION NUMBER: 27,829
; REFERENCE/DOCKET NUMBER: MTP-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/248-7000
; TELEFAX: 617/248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2101 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-195-487-4

Query Match 6.4%; Score 152; DB 1; Length 2101;
Best Local Similarity 21.0%; Pred. No. 0.00037;
Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

QY 44 RCPQOCRIQ-----VGKRTIINKLFEPDLAOGEEV-----LDREFLKNELDNVRAQLSOK- 93
Db 1421 RTAQOQLAEKASYAEOLSLMKKAHGLAENRGLGERANRGRFLFLEVLDOAREKRYOEL 1480
QY 94 -----DKEKRDsov-----IIDTLRD-----TLEERNATVVSLSQALGRAEML 131

```

Db 1481 AAVRADAEFLRAEYQREASTARELEVMATAKYGAKVKVLEERQROEOROKLTAQVEEL 1540
QY 132 CSTL-----KKOMKYLEOQODETKOAOEAGRLSKKMTMEOIELLOSQLEPEVEEMT 184
Db 1541 SKKLADSDOASKVQOQKRLAVQAQGEESQOEAORFOAQLNE-----LOAQLSQKEQ-- 1591
QY 185 RDMGVQSAVEQLAVYCVSLKREYENLKEARKASGE---VADKLARKDLSSRSKLTQTVS 241
Db 1592 -----AAEHKKLOMEKAKTHYDAKKOONOLQLOLSLEBOLQENKELRAEAERLGH 1643
QY 242 ELDOAKLELKSADKLOSDADKEIMSLKKLTMLQETLNPVASETVDRLVLESPAPVEY 301
Db 1644 ELQOAGLKTKEAQOTCRHLTAQVRSLEAQVAHADQOL-----RDLGKFQVATDA----- 1692
QY 302 NKLRRPSFRDDIDLNA-TFVDVTPPARPSSOHGYEKLCEKSHSPIDVPKTKCKGP 360
Db 1693 -LKSREPOAKPOLDLSDLSLCEEGTPLS-----ITSKL---P 1728
QY 361 RKESQSLSGQSCAGPEDELVGAPLIFVFNALILGOKOPRRPSSSC-----SKDY 412
Db 1729 RTQPD-----GTSVGPB-----ASPL-----SORLPKVESLESYFTPIPARSQAP 1771
QY 413 VRTGFDGLG-----GRTKFIOPDTVMIRPLPYK 441
Db 1772 LESSDLSLGDVFLDSGKRTSARRRTTQIINIMTKKLQVE 1812

```

```

RESULT 20
US-08-483-924-4
; Sequence 4, Application US/08483924
; Patent No. 5882876
; GENERAL INFORMATION:
; APPLICANT: TOKRATLY, GARY
; APPLICANT: LIDGARD, GRAHAM P
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE
; TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: 125 HIGH STREET
; CITY: BOSTON
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,924
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: PITCHER ESO, EDMUND R
; REGISTRATION NUMBER: 27,829
; REFERENCE/DOCKET NUMBER: MTP-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2101 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-483-924-4

```

Query Match 6.4%; Score 152; DB 2; Length 2101;
 Best Local Similarity 21.0%; Pred. No. 0.00037;
 Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

```

QY 44 RUCPOCRIO---VGKRTIINKLFPDLAQEEENV-----LDREFLKNELDNVRALQSOK- 93
Db 1421 RTAQOQLRAEKASYAEOLSLMKKAHGLAEENRGLEGRANLGRQFLVEVLDQAREKTYOEL 1480
QY 94 -----DKERKDSQV---IIDTLRD-----TLEENNAIVVSLQALGRAEML 131
Db 1481 AAVRADAEFLRAEYQREASTARELEVMATAKYGAKVKVLEERQROEOROKLTAQVEEL 1540
QY 132 CSTL-----KKOMKYLEOQODETKOAOEAGRLSKKMTMEOIELLOSQLEPEVEEMT 184
Db 1541 SKKLADSDOASKVQOQKRLAVQAQGEESQOEAORFOAQLNE-----LOAQLSQKEQ-- 1591
QY 185 RDMGVQSAVEQLAVYCVSLKREYENLKEARKASGE---VADKLARKDLSSRSKLTQTVS 241
Db 1592 -----AAEHKKLOMEKAKTHYDAKKOONOLQLOLSLEBOLQENKELRAEAERLGH 1643
QY 242 ELDOAKLELKSADKLOSDADKEIMSLKKLTMLQETLNPVASETVDRLVLESPAPVEY 301
Db 1644 ELQOAGLKTKEAQOTCRHLTAQVRSLEAQVAHADQOL-----RDLGKFQVATDA----- 1692
QY 302 NKLRRPSFRDDIDLNA-TFVDVTPPARPSSOHGYEKLCEKSHSPIDVPKTKCKGP 360
Db 1693 -LKSREPOAKPOLDLSDLSLCEEGTPLS-----ITSKL---P 1728
QY 361 RKESQSLSGQSCAGPEDELVGAPLIFVFNALILGOKOPRRPSSSC-----SKDY 412
Db 1729 RTQPD-----GTSVGPB-----ASPL-----SORLPKVESLESYFTPIPARSQAP 1771
QY 413 VRTGFDGLG-----GRTKFIOPDTVMIRPLPYK 441
Db 1772 LESSDLSLGDVFLDSGKRTSARRRTTQIINIMTKKLQVE 1812

```

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RESULT 21
US-09-452-294-1
; Sequence 1, Application US/09452294
; Patent No. 6287790
; GENERAL INFORMATION:
; APPLICANT: Lelievre, Sophie
; APPLICANT: Bissell, Mina
; TITLE OF INVENTION: UTILIZATION OF NUCLEAR STRUCTURAL PROTEINS FOR TARGETED
; TITLE OF INVENTION: THERAPY AND DETECTION OF PROLIFERATIVE AND
; FILE REFERENCE: IB-1454- Sequence Submittal
; PATENT NO. 6287790
; CURRENT APPLICATION NUMBER: US/09/452,294
; CURRENT FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: 60/110,420
; PRIOR FILING DATE: 1998-11-30
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2101
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-452-294-1

```

Query Match 6.4%; Score 152; DB 4; Length 2101;
 Best Local Similarity 21.0%; Pred. No. 0.00037;
 Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

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QY 44 RTCPQCRIO---VGKRTIINKLFPDLAQEEENV-----LDREFLKNELDNVRALQSOK- 93
Db 1421 RTAQOQLRAEKASYAEOLSLMKKAHGLAEENRGLEGRANLGRQFLVEVLDQAREKTYOEL 1480
QY 94 -----DKERKDSQV---IIDTLRD-----TLEENNAIVVSLQALGRAEML 131
Db 1481 AAVRADAEFLRAEYQREASTARELEVMATAKYGAKVKVLEERQROEOROKLTAQVEEL 1540
QY 132 CSTL-----KKOMKYLEOQODETKOAOEAGRLSKKMTMEOIELLOSQLEPEVEEMT 184

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Db 1541 SKRLADSDQASKVQOQKLVAVQAGSGEOEAFQFQALNE-----LQAOLSQKEQ-- 1591
QY 185 RDMGVQGSAAVEQALAVYCVSLKKEKENLKEARKASGE---VADKLKRDLPSSRSKLTQTVS 241
Db 1592 -----AAEHYKLOMEKAKTHYDAKQONQELQOLRSLEQOLQENKELRAEAERLGH 1643
QY 242 ELDOAKLELKSAAKDLQASADKEIMSLKKLTMLQETLNLPPVASETVDRVLVLESPAPVEV 301
Db 1644 ELQOAGIKTEAEQOTCRHLTAQVRSLEAQVAHADQOL-----RDGKRFQVATDA---- 1692
QY 302 NLKLRPSPFDIDILNA-TFDVDTPPARPSSQHGYYEKLCKLEKSHSPIDQVKKICKGP 360
Db 1693 -LKSREPOAKPQDLSDLSIDLSCBECTPLS-----RDLGKRFQVATDA---- 1728
QY 361 RKESQSLGGQSCAGEPDEELVGAFPIFYNNAILGOKOPKRPRESSC-----SKDV 412
Db 1729 RTQPD-----GTSVGPGE-----ASPI-----SQRLLPKVESLESLEYFTPIPARSQAP 1771
QY 413 VRTGFDGLG-----GRTKFIQPTDVTVMIRPLPVK 441
Db 1772 LESSLDLGDVFLDGSGRKTRRSARRRTQIINITMTKKLDVE 1812

RESULT 22
PCT-US93-06160-4
; Sequence 4, Application PC/TUS9306160
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: NOVEL MALIGNANT CELL TYPE MARKERS OF THE
; TITLE OF INVENTION: INTERIOR NUCLEAR MATRIX
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA HURWITZ & THIBEAULT
; STREET: 53 STATE STREET
; CITY: BOSTON
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06160
; FILING DATE: 19930621
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: PITCHER ESO, EDMUND R
; REGISTRATION NUMBER: 27,829
; REFERENCE/DOCKET NUMBER: MTP-013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/248-7000
; TELEFAX: 617/248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2101 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US93-06160-4

Query Match 6.4%; Score 152; DB 5; Length 2101;
Best Local Similarity 21.0%; Pred. No. 0.00037;
Matches 97; Conservative 72; Mismatches 160; Indels 132; Gaps 19;

QY 44 RTCPQCRIQ---VGRRTIINKLFFDLAEEENV-----LDREFLKNELDNVPRAQLSOK- 93
Db 1421 RTMQOLRAEKASVAYEQLSLMKRAHGLAEENRGLGRANLGRFLVEELDQAEKXYQEL 1480
QY 94 -----DKEKRDQOV---IIDTLRD-----TLEERNATVVSILQALGKAEML 131

Db 1481 AAVRADAEFRLAEVREAOASTARELEVMTAKYEGAKVYLEERORFOEROKLTAQVEEL 1540
QY 132 CSTL-----KKOMYLBQOQOETKOAOEAGRLRSKXMTNQIELLOSOLEPEVEEM 184
Db 1541 SKRLADSDQASKVQOQKLVAVQAGSGEOEAFQFQALNE-----LQAOLSQKEQ-- 1591
QY 185 RDMGVQGSAAVEQALAVYCVSLKKEKENLKEARKASGE---VADKLKRDLPSSRSKLTQTVS 241
Db 1592 -----AAEHYKLOMEKAKTHYDAKQONQELQOLRSLEQOLQENKELRAEAERLGH 1643
QY 242 ELDOAKLELKSAAKDLQASADKEIMSLKKLTMLQETLNLPPVASETVDRVLVLESPAPVEV 301
Db 1644 ELQOAGIKTEAEQOTCRHLTAQVRSLEAQVAHADQOL-----RDGKRFQVATDA---- 1692
QY 302 NLKLRPSPFDIDILNA-TFDVDTPPARPSSQHGYYEKLCKLEKSHSPIDQVKKICKGP 360
Db 1693 -LKSREPOAKPQDLSDLSIDLSCBECTPLS-----RDLGKRFQVATDA---- 1728
QY 361 RKESQSLGGQSCAGEPDEELVGAFPIFYNNAILGOKOPKRPRESSC-----SKDV 412
Db 1729 RTQPD-----GTSVGPGE-----ASPI-----SQRLLPKVESLESLEYFTPIPARSQAP 1771
QY 413 VRTGFDGLG-----GRTKFIQPTDVTVMIRPLPVK 441
Db 1772 LESSLDLGDVFLDGSGRKTRRSARRRTQIINITMTKKLDVE 1812

RESULT 23
US-08-095-737-2
; Sequence 2, Application US/08095737
; Patent No. 5487979
; GENERAL INFORMATION:
; APPLICANT: DiFiore, Pier P
; TITLE OF INVENTION: A Substrate for the Epidermal Growth
; TITLE OF INVENTION: Factor Receptor Kinase
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbles, Martens, Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: United States of America
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/095,737
; FILING DATE: 19930722
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelisen, Ned A
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH060.001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-095-737-2

Query Match 6.2%; Score 149; DB 1; Length 896;
Best Local Similarity 22.8%; Pred. No. 0.0002;
Matches 62; Conservative 46; Mismatches 110; Indels 54; Gaps 8;

Db 334 ELDTLNNELVDLQREKNNVEODLKEKEDTJKQRTSEVODLQDEYQRENTNLQKLOAQKQ 393
QY 128 AEMCLSTLKKOMKYLBOQOQDETQAOEAGRLRSKMTMBEIIELLSQLEPEVEMIRDM 187
Db 394 VOELLDELDEKQALQLEQLKLEVRKKCAEAOQLSSLSKA-----ELTSGE----- 437
QY 188 GVGOSAVEVAVCVSLKREYENLKEARKASGEVADLRKDLFSSRSKLQTVSSELDQAK 247
Db 438 -----SQISTVEELAKAREELSRLQOETAELE-----SVESGK 472
QY 248 LEKSAQKDLQASDKETMSLKKLTLMQETLN 279
Db 473 AOLEPLQOHLDQSOEISMMQMKLMEMKLDLEN 504

RESULT 26
PCT-US93-03077-1
Sequence 1, Application PC/TUS9303077
GENERAL INFORMATION:
APPLICANT: Board of Regents, The University of Texas System
APPLICANT: Gaylor, Richard B.
APPLICANT: Wu, Foon Kin
TITLE OF INVENTION: PROTEIN CELLULAR FACTOR USEFUL FOR
TITLE OF INVENTION: REGULATING GENE EXPRESSION
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/03077
FILING DATE: 19930331
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/862,025
FILING DATE: April 2, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Kammerer, Patricia A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: UTPD270PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713-787-1540
TELEFAX: 713-749-2679
TELEX:
INFORMATION FOR SEQ. ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1093 amino acids
TYPE: AMINO ACID
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
PCT-US93-03077-1

Query Match 6.2%; Score 149; DB 5; Length 1093;
Best Local Similarity 21.3%; Pred. No. 0.00076;
Matches 99; Conservative 88; Mismatches 153; Indels 122; Gaps 21;

QY 59 INKLFEDLAQEEEN--VLD--REFLNEDLNRAQTSQKDKERD--SQYIIDLRPTLE 112
Db 593 LNKVKELELEELQHLKQVLDGKREVEQKHENIKLNSWYERQEKDGLQVDP--HDELE 650
QY 113 ERNATVVSLOQALGKA-----EMLCSTLKKOMK-----YLEQOQDET 149
Db 651 EKRR---SIGAALDSAYKELTDLHKANAKDSQAQALSLREKKAKRELSAALAKQAQEA 707

QY 150 KQAGE-----EAGRLRSKMTMBEIIEL-----LOSQLEPEVEMIRDMGVGOSAV 194
Db 708 KQOQETALQIGDRLALQRTQCAARKEDYLRHEITELQORLOEAEENRQOLSQSVST 767
QY 195 EQLAVVCSLKKREYENLKEARKASGEVADLRKDLFSSRSKLQTVSSELDQAKLELSAQ 254
Db 768 TR-----PLRQIENLQATLGISQTSSEKLEKLSRLGESQTL-----LAAAV 811
QY 255 KDLQASAKETMSLKKLTLMQETLNLPVASEYDRLVLESAPAEVNLKLRPSFDDI 314
Db 812 EREAAATEELLANKIQSSM-----ESONSILROENSFFQALQSEKRLCKLE 860
QY 315 DLNATFVDVPPAPRASSSQGYEKLCLKESHPIDVPPKICKGPKE-----SOLIG 369
Db 861 DENNRIOVE-----LEN-----LKDEYVRLTEETREKXTLNSQLEME 898
QY 370 GQSCAGEPDEELVGAFFIFRNAILGOKRPRSESS---CSKDVYRTGFDGIGRTKF 426
Db 899 RMKVEGRKK-----ALFTQETI--KEKERKPPSVSSTPTMSRSSISGVDMAGLQTSF 950
QY 427 IQPDT--VAIRPLVPKPKT-----VKQRYKTVSLSFOAKL 463
Db 951 LQDESHDSFGPMPISAKMKHLYACKDGSRIKHIEML-QSOL 993

RESULT 27
US-08-687-080-51
Sequence 51, Application US/08687080
Patent No. 5965427
GENERAL INFORMATION:
APPLICANT: Gregory Dolganov
TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof
NUMBER OF SEQUENCES: 175
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/687,080
FILING DATE: 17-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/592,126
FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Sholtz, Charles K.
REGISTRATION NUMBER: 38,615
REFERENCE/DOCKET NUMBER: 4600-0111.30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ. ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 1312 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: TRANS. OF RAD50 cDNA (SEQ. 54), NT.
INDIVIDUAL ISOLATE: 389 TO 4324
US-08-687-080-51

FILING DATE: 05-FEB-1991
ATTORNEY/AGENT INFORMATION:
NAME: McGowan, Malcolm K.
REGISTRATION NUMBER: 39,300
REFERENCE/DOCKET NUMBER: 01083-078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 316 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
PUBLICATION INFORMATION:
DOCUMENT NUMBER: WO 92/13884
PUBLICATION DATE: 20-AUG-1992
US-08-462-625-31

Query Match 6.2%; Score 147.5; DB 4; Length 316;
Best Local Similarity 25.2%; Pred. No. 6.1e-05;
Matches 71; Conservative 54; Mismatches 102; Indels 55; Gaps 12;

QY 68 QEEENVLDREFLNKNDVRAQLSOKDKERDSOVIITDRLDLEERNA--TVVSLQOAL 125
DB 14 QEQOSDLEQDLAKE--KLQEQOSDLEQERAKKEKLEQOSDLEQERAKKEKLEQOSDL 71
QY 126 GKAMLCSTLKKQKYLEQOODETRKQAEENGRL---RSKMTWEOITELLQSOLEPEVE 181
DB 72 EQERRAKKEKLEQOSDLEQDLAKEKLEQOSDLEQERRAKKEKLEQO---QSDLEQER 126
QY 182 EMIRDMVGOSAVQOLAVVCSLKEKEYENLKEARKASQEVADKIKLDFSSR---SKQT 238
DB 127 RAKKLEQOSDLEQERRAKKEKLEQOSDLEQERRAKKEKLEQO---QSDLEQERAKKEKLE 185
QY 239 VYSELDO---AKLELKSNOKDLQSDAKREIMSLKKKLTMLQETLNLPPVASETVDRLYLES 295
DB 186 QOSDLEQERRAKKEKLEQOSDLEQERAD---TKNLERKKKHGDI--LAEDLYGR--LEI 238
QY 296 PAPPEVNLKLRPSFRDDIDLNATFDVTPPARSSSOHGYY 337
DB 239 PA-----IEL-----PSENERGY 252

RESULT 30
US-09-085-199B-5
Sequence 5, Application US/09085199B
Patent No. 6235879

GENERAL INFORMATION:
APPLICANT: Hayden, Michael R.
APPLICANT: Hackam, Abigail
APPLICANT: Hug, A.H.M. Mahbubul
APPLICANT: Chopra, Vikramjit Singh
APPLICANT: Kalichman, Michael
TITLE OF INVENTION: Apoptosis Modulators That Interact with the
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Oppedahl & Larson
STREET: PO Box 5270
CITY: Frisco
STATE: CO
COUNTRY: USA
ZIP: 80443-5270
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Kb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: MS DOS 5.0
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/085,199B

FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Larson, Marina T.
REGISTRATION NUMBER: 32038
REFERENCE/DOCKET NUMBER: UBC.P-013052
TELECOMMUNICATION INFORMATION:
TELEPHONE: (970) 668-2050
TELEFAX: (970) 668-2052
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1090
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: no
ORIGINAL SOURCE:
ORGANISM: human
FEATURE:
OTHER INFORMATION: Huntington-Interacting protein
US-09-085-199B-5

Query Match 6.2%; Score 147.5; DB 4; Length 1090;
Best Local Similarity 21.1%; Pred. No. 0.00035;
Matches 54; Conservative 63; Mismatches 92; Indels 47; Gaps 8;

QY 59 INKLFPDLQEEENVLDREFLNKNDVRAQLSOKDKERDSOVIITDRLDLEERNAVY 118
DB 421 VNK-----DEKDLHLR--LYREISGLAKAL---ENMKTESQHVYQLGHWSELADL 469
QY 119 VSLQALGKAMLCSTLKKQKYLEQOODETRKQAEENGRLRSKMTWEOITELLQSOPL 178
DB 470 AEQOHLNQOALADDFELRAELDELRRQREDTERKQBSLETERKAQANEQRYSLKKEYS 529
QY 179 EV---EMIRDMVGOSAVQOLAVVCSLKEKEYENLKEA-----RKASG--EVAD 223
DB 530 ELVONHADILRKNAEVTAKOVSMARQAVDLEREKKELEDSLERISDQGRKTOQLVYLE 589
QY 224 KLKRDLFSSRSKQTV-----YSELDAQKLELKS-----QNRQOSADK 262
DB 590 SLKQELTASQRELVQLOGLSLETSASQSEANMAAEFALEKERDSLVSQAAREBELSLARK 649
QY 263 EIMSLKKKLTMLQETL 278
DB 650 ELQDTQLKLAESTEESM 665

RESULT 31
US-08-592-126-148
Sequence 148, Application US/08592126
Patent No. 5821091

GENERAL INFORMATION:
APPLICANT: Gregory Dolganov
TITLE OF INVENTION: Transcripts Encoding Immunomodulatory
NUMBER OF SEQUENCES: 151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Denlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,126
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Sholtz, Charles K.
REGISTRATION NUMBER: 38,615
REFERENCE/DOCKET NUMBER: 4600-0111
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 148:
SEQUENCE CHARACTERISTICS:
LENGTH: 1312 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Rad50.pro-translation of SEQ ID NO:54
US-08-592-126-148

Query Match 6.2%; Score 147.5; DB 2; Length 1312;
Best Local Similarity 22.2%; Pred. No. 0.00046;
Matches 98; Conservative 69; Mismatches 126; Indels 149; Gaps 22;

QY 52 QVCKRTITKLFPLDAOE-----ENVLDR-----EFL--KNELDNVRAQ 89
DB 404 QCEEAKTANQIMNDFAEKETLKOKOIDEIRDKTGLRIITELKSKNELKNVKE 463
QY 90 LSG-----KDKERKDSQVIIDTLRD-TLEERNAT-----VSLQALGKAE- 130
DB 464 LQOLEGSSDRILDLDELKAERELKAEKNSVETLKMEVLSLQNE--KADLDRFLRL 521
QY 131 -----LCSTL-----KKQMK-YLE 143
DB 522 DQEMEDLNHTTTRTQKEMLTQKADKDEQIRIKSRHSEDLTSLGCFYFNKKQLEWML 561
QY 144 QQODETKQAEERGLRKSMMKMTMEQIELLQSQLEPEYEMIRDMVGQSAVEQLAYCVS 203
DB 582 SKSEKINQTRDLRLAKLKEELASSEONKNNHINELKRREQL-----SSYEDKLFDCGS 635
QY 204 -----LKKEYE-NLKERKASG-----EVADK-----LRKDLSSRSKQLQ 237
DB 636 QDFESDLRKEETEKSSKORAMLAGATAVYSQFTQLTENOSCCPVCQGRVQTELEQ 695
QY 238 TVYSELDQAKLEKSAQKQADKSEIMSLKKKLTMLQETLNPVASEVVDRLVLESPA 297
DB 696 EYISDL-QSKLRL--APDKLSTSE--LKKEKRDMLGLVPMQSTIIDLKEKIP- 748
QY 298 PVEYNLKLRRPS-----FRDDILNATEVDVTPPARPSSQHGYYEKLCL-----EKSH 346
DB 749 --ELRNKLQVNRDIOQLKNDIEOEFTLGTIMPEESA-----KVCULTDVTIMERFQ 799
QY 347 SPIQDVPKKICKGPKRESQSL 368
DB 800 MELDKVERKTAQQAQKLGIDL 821

RESULT 32

US-09-085-199B-4
Sequence 4, Application US/09085199B
Patent No. 6235879
GENERAL INFORMATION:
APPLICANT: Hayden, Michael R.
APPLICANT: Hackam, Abigail
APPLICANT: Hug, A.H.M. Mahubul
APPLICANT: Chopra, Vikramjit Singh
APPLICANT: Kalchman, Michael
TITLE OF INVENTION: Apoptosis Modulators That Interact with the
TITLE OF INVENTION: Huntington's Disease Gene
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Opedahl & Larson
STREET: PO Box 5270
CITY: Frlisco

STATE: CO
COUNTRY: USA
ZIP: 80443-5270
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 kb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS DOS 5.0
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/085,199B
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Larson, Marina T.
REGISTRATION NUMBER: 32038
REFERENCE/DOCKET NUMBER: UBC-P-013052
TELECOMMUNICATION INFORMATION:
TELEPHONE: (970) 668-2050
TELEFAX: (970) 668-2052
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 914
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: no
ORIGINAL SOURCE:
ORGANISM: human
FEATURE: Huntington-interacting protein
US-09-085-199B-4

Query Match 6.1%; Score 146.5; DB 4; Length 914;
Best Local Similarity 21.1%; Pred. No. 0.00033;
Matches 54; Conservative 63; Mismatches 92; Indels 47; Gaps 8;

QY 59 INKLFPLDAOEENVLDRFLKNELDNVRAQLSOKDKERKDSQVIIDTLRDTLEERNATV 118
DB 245 VNK-----DEKHLIER--LYREISGLKQL--ENMKTESQRYVVLQKGVHSELEADL 293
QY 119 VSLQALGKAEMLCSTLTKKQKYLEQODETKQAEERGLRKSMMKMTMEQIELLQSQLP 178
DB 294 AEOQHRLQQAADCEFLRLAELDELRLRQREDTEKRAQSLSEIERKAQANEQRYSKLEKYS 353
QY 179 EV-----EEMIRDMVGQSAVEQLAYCVSLKKEYNLKEA-----RKASG--EVD 223
DB 354 ELVQNHADLKLKAEVTKOVSMARQAVDLEREKKELEDSLERISPOGQKTOQOLEVLE 413
QY 224 KLRKDLFSSRSKQLQTV-----YSELDQAKLEKSA--QKDLQADK 262
DB 414 SLQDELGTSGRELQVQLGSLSTSAQSEANMAAFELERKRSGLVGAHREBELSALK 473
QY 263 EIMSLLKKKLTMLQETL 278
DB 474 ELQDTQLKLASTEEM 489

RESULT 33

US-09-085-199B-11
Sequence 11, Application US/09085199B
Patent No. 6235879
GENERAL INFORMATION:
APPLICANT: Hayden, Michael R.
APPLICANT: Hackam, Abigail
APPLICANT: Hug, A.H.M. Mahubul
APPLICANT: Chopra, Vikramjit Singh
APPLICANT: Kalchman, Michael
TITLE OF INVENTION: Apoptosis Modulators That Interact with the
TITLE OF INVENTION: Huntington's Disease Gene
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Opedahl & Larson
STREET: PO Box 5270

CITY: Frisco
STATE: CO
COUNTRY: USA
ZIP: 80443-5270
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Kb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS DOS 5.0
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/085,199B
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Larson, Marina T.
REGISTRATION NUMBER: 32038
REFERENCE/DOCKET NUMBER: UBC-P-013052
TELEPHONE: (970) 668-2050
TELEFAX: (970) 668-2052
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1068
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: no
ORIGINAL SOURCE:
ORGANISM: mouse
FEATURE:
OTHER INFORMATION: Huntington-Interacting protein -mhipla
US-09-085-199B-11

Query Match 6.1%; Score 146; DB 4; Length 1068;
Best Local Similarity 21.8%; Pred. No. 0.00046;
Matches 113; Conservative 84; Mismatches 187; Indels 134; Gaps 23;
30 HLOCLISFPTAPSRTPCPOCRIOV-----GKRTIINKLFPDL-----AOEENVNDRE 77
DB 298 HIRYVYVPEAPPEEPENLIESSAPPGEPVYVADLFDTGPPNGSKDDRIQIE 357
OY 78 FLKNEIDNVRAQLSQDKERKDSQVIIDTLRD-----TLEERNATVSLQALGRAEM 130
DB 358 NIKREVETLRAEL--EKIKMEARQYISQKGVNGVLEAELEBQR--QKQALVDNEQ 411
OY 131 LCTLTKQMKTYLEQOODETQAQOEAGR-----LRSKMK 164
DB 412 LRHEL-AQLALQLEGARNOGLEEAERKASATEARYSKLEKEHSELINTHAELLRNAD 470
OY 165 TMEQIELLQSOLPEVEEMTRDMGVGSAVEOLAVYCVSLKKEVENLKEARKASGEVADK 224
DB 471 TAKQLVYTOOSQ--EVAR-----YKQQLAFQMEQAKRESKMEQ--SDQLEK 516
OY 225 LKRDLFSSRSKL--QTVSELDQAKLELSAOKDQSADKEIMS--LKKRLTMLQETLN 279
DB 517 LKRELAARAGELARAQALSRTEQSGSEL--SSRLDTLNARKEALSQVVRREBEL----- 570
OY 280 LRPVASTVTRVLVESAPEVNLKLRPSFRDDIDLNATFDVDTPPARPSSOHGYEK 339
DB 571 ---LAASIVREKEEALSOQORSQSEKGLRQL-----AEKESQEOGLRQK 615
OY 340 LCLE-----KSHSPIDVPPKICKGPRKESOLSLGSGSCAGPEDELTGAPPIFV 389
DB 616 LDEQLAVLRSAAEAAAILQDAVSKL-----DDPLHL--RCTSSPDLVSRQAAL- 655
OY 390 RNAILQKQKPKR--PRSESSCKDVTYRTGFDL-----GGRTYFIQPTTVV----- 433
DB 666 -DSVSGLEGHTQYGLASSSDASALVALTRFSLHADTYINGAATSHLATPDADRLMDT 724
OY 434 ----MIRPLPVKPKTKYQKQVRYKTVPSLFQAKLDITFL 467
DB 725 CRECGAAELVGOLO-DQTVLRRAQPSLMRABPLQGITL 761

RESULT 34
US-08-600-982-24
Sequence 24, Application US/08600982
Patent No. 6120991
GENERAL INFORMATION:
APPLICANT: Carter, William G.
APPLICANT: Gil, Susana A.
APPLICANT: Ryan, Maureen C.
TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness
STREET: 1420 Fifth Avenue
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101-8100
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/600,982
FILING DATE: 02-SEP-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Shelton, Dennis K.
REGISTRATION NUMBER: 26,997
TELEPHONE: (206) 682-8100
TELEFAX: (206) 682-8100
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 1713 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
DESCRIPTION: E170 protein as translated from sequence
of FIGURES 15A-15F, and as shown also in FIGURES
DESCRIPTION: 19A-19R
US-08-600-982-24
Query Match 6.1%; Score 145.5; DB 3; Length 1713;
Best Local Similarity 20.7%; Pred. No. 0.00099;
Matches 85; Conservative 55; Mismatches 116; Indels 155; Gaps 17;
34 LQSFTAPSRTPCPOCR-----IQVGRRTIINKLFPDLQ-----E 69
DB 278 LNOEFETLQEKAAVNSRKQATLNNVNRATQSAKELDVIRKIVRVHILLQISCTDGE 337
OY 70 EENVLDREF-----LKNELDNVRAQLSQDKERKDSQYII----- 104
DB 338 GNNVPSGDFSREAEARQRMRELNR--NFGKHLREAEADKRESQILLRIRTWOKTHG 395
OY 105 -----DTLRDLTLEERNATV--VSLQALGKA-----EMLCSTLKKQMKYLEQ 144
DB 396 ENNGLANISRDSLNEYEAKLSDLRLARLQEAQAQANGLNOENEFALGAIOROVEINS 455
OY 145 -QODEK-----QAQOEFAGRLSKMKRTMEQLELLQSLQPEVEEMTRDM--GVQO 191
DB 456 LOSDFPKYLTADSSLLQTNIALQIMEKSQKEVEKLAASLNEARQSLSKVRELSRSQK 515
OY 192 -SAVEQLAVYCVSLK-----EYENLKKARKASGEVADK 224
DB 516 TSLVEAEKHAASLQELAQLERIKNAGSDELYRCVADAATAYENITLAIKAAEBAANR 575
OY 225 LKRDLFSSRSKLQTYVSE-----LDQAKLELSAOKDQSADKEIMSLK 268

Db 576 AAS---ASESALQTVIKEDLPKRAKTLSSNSDKLNEAKMTOKLKQEVSPA----- 624

QY 269 KKLTMLOETLNPVASETVDRVLVLESPAPVEYNLKLRRPSF-----RDDID 315

Db 625 --LNNLOQTTLNTVTVQKEVID-----TNLTTLRLDGLHGIGRGDID 662

RESULT 35

PCT-US94-10261A-24

Sequence 24, Application PC/TUS9410261A

GENERAL INFORMATION:

APPLICANT: Carter, William G.

APPLICANT: Gil, Susanna A.

APPLICANT: Ryan, Maureen C.

TITLE OF INVENTION: Epiligrin, an Epithelial Ligand for

TITLE OF INVENTION: Integrins

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:

ADDRESSEE: Christensen, O'Connor, Johnson, and Kindness

STREET: 1420 Fifth Avenue

CITY: Seattle

STATE: WA

COUNTRY: USA

ZIP: 98101-8100

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/10261A

FILING DATE: 02-SEP-1994

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Shelton, Dennis K.

REGISTRATION NUMBER: 26,997

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 682-8100

TELEFAX: (206) 224-0779

INFORMATION FOR SEQ. ID NO: 24:

SEQUENCE CHARACTERISTICS:

LENGTH: 1713 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

DESCRIPTION: E170 protein as translated from sequence of

FIGURES 15A-15F, and as shown also in FIGURES 19A-19R

PCT-US94-10261A-24

Query Match 6.1%; Score 145.5; DB 5; Length 1713;

Best Local Similarity 20.7%; Pred. No. 0.00099;

Matches 85; Conservative 55; Mismatches 116; Indels 155; Gaps 17;

QY 34 LIOSEFTAPSRTPQPCR-----IOVGKRTIINKLFDPDAQ-----E 69

Db 278 LNOEFTLQKKAQVNSKQATLNNVNRATQSAKELDVKIKVIRNVHILKQISGTDGE 337

QY 70 EENVLDREF-----LKNELDNVRAQLSQDKKERSQVYI----- 104

Db 338 GNNVPSSDGFRENAEAOQRMNRELNR--NFGKHLREAEADKRRESQLLNIRITVQKTHOG 395

QY 105 -----TLSDTLEERNATY-----VSIQALGKA-----EMICSLKKQMKLLEQ 144

Db 396 ENNGCLASINDSLNEYEAKLSDLRARLQEAQAQKQANGLNQENRERALGAIQROVKEINS 455

QY 145 -QODETK-----QAQDEAGRLSRKKMTEBOIELLOSOLPEVEEMIRDY--GVGQ 191

Db 456 LQSFYTKYLTADSSLLQTNIALQLMKRSQKEYEKLASLNEARQELSDVKRRELSRAGK 515

QY 192 -SAVEQLAVYCVSLKK-----EYENLKEARKKASGEVADK 224

Db 516 TSLVEAEKHAHSLOELAKOLEEIKRNASGDELIVCAVDATAVENILNAIKAAEDANR 575

QY 225 LKKDLFSSRSKLOTYSE-----LDOAKLELKSQKDLQSADEKREIMSLK 268

Db 576 AAS---ASESALQTVIKEDLPKRAKTLSSNSDKLNEAKMTOKLKQEVSPA----- 624

QY 269 KKLTMLOETLNPVASETVDRVLVLESPAPVEYNLKLRRPSF-----RDDID 315

Db 625 --LNNLOQTTLNTVTVQKEVID-----TNLTTLRLDGLHGIGRGDID 662

RESULT 36

5180810-1

Patent No. 5180810

APPLICANT: Gomi, Hideyuki; Hozumi, Tatsunobu; Hattori, Shizuo;

Tagawa, Chiaki; Kishimoto, Fumitaka; Bjork, Lars

TITLE OF INVENTION: PROTEIN H CAPABLE OF BINDING TO ICG

NUMBER OF SEQUENCES: 4

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/376,641

FILING DATE: 07-JUL-1989

SEQ ID NO:1:

LENGTH: 376

5180810-1

Query Match 6.0%; Score 144; DB 6; Length 376;

Best Local Similarity 22.4%; Pred. No. 0.00016;

Matches 86; Conservative 49; Mismatches 117; Indels 132; Gaps 17;

QY 68 QEEENVLDREFLK-----NELDNVRAQLSQDKKERSQVYIIDTLRDTLEERNATVVS 120

Db 49 QEEYKKLEEDNAKLEVEVETTSLENEKK--SENEKKN-----LDKLSKENG----- 95

QY 121 LQALKAEMLCTLKKQKYLEQODETKQAQDEAGRLSRKKMTEBOIE----- 170

Db 96 -----GKLE-----KLELDYLLKLDHEKHEKQEQEQEERQKNEQLEERYQREVERK 144

QY 171 -----LLQSQLPPEVEEMI-----RDMGVQSAVEQDLAVYCVSLKKEYEMLKAPKA 217

Db 145 YQEQLOKQOOL--ETEKQISEASRKSLSRDLASRAKKDLAEHQKLEAEHQKLEKDKOI 203

QY 218 SGEVADKLKRLDFSSRS-----KLQTVYSELDQAK-----LEL-KSA 253

Db 204 SDASRQGLSRDLASRAKKELFANHQKLEAEHQKLEKQISDASRQGLSRDLASRAA 263

QY 254 QKDL-----QSADEKMSLKKKLTMLQETLNPVASETVDRVLVLESPAPVEYNLKLRRS 309

Db 264 KKELEANHQKLEAEKALKQAKQAEEL-----AKLR--- 296

QY 310 FRDDIDLNTFTVDVTPPARPSSQHGUYEKLCLKESHSPIQDVPKIKGPKRESQSLIG 369

Db 297 -----AGRASDSQTDYTRGN-----KAYGKQQAQDAGTKRPNQNAKPKETKRQL- 342

QY 370 GQSCAGEPDEELVGAPPIFYRNAI 393

Db 343 --PSTGET-----ANPFTAAAL 358

RESULT 37

PCT-US93-03077-3

Sequence 3, Application PC/TUS9303077

GENERAL INFORMATION:

APPLICANT: Board of Regents, The University of Texas System

APPLICANT: Gaynor, Richard B.

APPLICANT: Wu, Foon Kin

TITLE OF INVENTION: PROTEIN CELLULAR FACTOR USEFUL FOR

TITLE OF INVENTION: REGULATING GENE EXPRESSION

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: Texas

COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/03077
FILING DATE: 19930331
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/862,025
FILING DATE: April 2, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Kammerer, Patricia A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: UFD270PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 713-787-1540
TELEFAX: 713-749-2679
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 414 amino acids
TYPE: AMINO ACID
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: peptide
PCT-US93-03077-3

Query Match 6.0%; Score 144; DB 5; Length 414;
Best Local Similarity 23.8%; Pred. No. 0.00018;

Matches 60; Conservative 47; Mismatches 77; Indels 68; Gaps 10;

QY 66 LAQEEENVLDREFLNELDNVRAQLSQRDEKRDQYIIDLRLDRL--ERNATVSLQ 122
DB 5 LSEKEDYCKTVEFLNEKREARQLSLSEKALLLEAFDMLKEMRVVEESSISL 64
QY 123 -----QALGRKEMLC---STLKQMKYLEQ-----QODETKQAOEE 155
DB 65 DEFTQRIAEAEKKVQALKERDAKKKEIKIKELATRLNSSETADLLKEKDEQIRGLME 124
QY 156 AG-----RLRSKMKTMEOIELLOSOLPEVEEMIRDMGV---GSAAYEQL 197
DB 125 EGETLSQOQLNSNIITKLAKDKENMVAKLKKVKELEEEQLHLKQVLDGKEVE-- 182
QY 198 AVYCVSLKKEYENLKEARKASGEVADKLRLKDLFSSRSKLTQVYVSELDQAKLELSAQDL 257
DB 183 -----KQRENIKRL-----NSMVERQEKDL---GRLOVDMDLEKKN---RSIQAL 224
QY 258 QSADKEINSLAK 269
DB 225 DSAVKELTDLAK 236

RESULT 38

US-08-533-306A-6

Sequence 6, Application US/08533306A

Patent No. 5837457

GENERAL INFORMATION:

APPLICANT: Liu, Pu

APPLICANT: Collins, Francis S.

APPLICANT: Sticiliano, Michael J.

APPLICANT: Claxton, David

TITLE OF INVENTION: Markers for Detection of Chromosome 16

TITLE OF INVENTION: Rearrangements

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Harness, Dickey & Pierce, P.L.C.

STREET: P.O. Box 828

CITY: Bloomfield Hills

STATE: MI
COUNTRY: USA
ZIP: 48103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/533,306A
FILING DATE: September 25, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Deann F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-00869COB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810) 641-1600
TELEFAX: (810) 641-0270
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 816 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-533-306A-6

Query Match 6.0%; Score 142.5; DB 2; Length 816;
Best Local Similarity 22.6%; Pred. No. 0.00063;

Matches 76; Conservative 76; Mismatches 144; Indels 41; Gaps 15;

QY 61 KLFFDLAQEEENVLD-REFLNELD---NVRAQLSQDKKRRSQYIIDLRLDRL---- 112
DB 183 KLLKDVASLSSQDLQFLEQLQETTRKLNVTSLKRLQLEERNSLQ---DQLEDEMAKON 239
QY 113 -ERNATVSLQALGRKEM--LCSTL-----KQMKYLEQOODETKQAOEAGRL 159
DB 240 LEHISTSLNTQLSDSKKLLQDFASTVGALECGKRRQKEIENLTQYEEKAAYDLKLT 299
QY 160 RSKMKTMEOIELLOSOLPEVEEMIRDMGVGSAVDQLAVYCVSLKKEYENLKEARKASG 219
DB 300 KNRLLQ--QELDDLTV--DLNQRLVSNLEKKQKFPOLLAEKKNISSKYAD--ERDRAEA 354
QY 220 EVADKLRLKDLFSSRSKLTQVYV--ELDQAKLELSAQKDLQSA---DDEINSLKRLIM 273
DB 355 EAREKETKALSLARALEAELEAKELERTKMLKLAEMEDLVSSKDYGKRVHELESKRA 414
QY 274 LQETL-NLPPVASETVDRVLESAP--VEVNLKLRPSPRFDIDLNATFDVDFPPAPS 330
DB 415 LETQMEEMKQLBELDELDQASDARKLRLEVNNAQLKGF--ERDQARDQNEKRRQL 472
QY 331 SSO-HGYEKLCLEKSHSPIQDVPKKICKGPKRESOL 366
DB 473 QRQLHEVETELDERNERALAAAKKRLDLKDL 509

RESULT 39

US-08-742-923A-6

Sequence 6, Application US/08742923A

Patent No. 5869611

GENERAL INFORMATION:

APPLICANT: Liu, Pu

APPLICANT: Collins, Francis S.

APPLICANT: Sticiliano, Michael J.

APPLICANT: Claxton, David

TITLE OF INVENTION: Markers for Detection of Chromosome 16

TITLE OF INVENTION: Rearrangements

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Harness, Dickey & Pierce, P.L.C.

STREET: P.O. Box 828

CITY: Bloomfield Hills

STATE: MI
COUNTRY: USA
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/747,923A
FILING DATE: No. 5869611ember 1, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Dean F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-00869DVC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810) 641-1600
TELEFAX: (810) 641-0270
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 816 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-742-923A-6

Query Match 6.0%; Score 142.5; DB 2; Length 816;
Best Local Similarity 22.6%; Pred. No. 0.00063;
Matches 76; Conservative 76; Mismatches 144; Indels 41; Gaps 15;

QY 61 KLEFDLAQEEENVLD--REFLNELD---NVRAGLSQDKKRRSQVYIIDLRPTLE---- 112
DB 183 KLAQDVASLSQADDTQELLQEEETROKLNSTKRLQLEERNLSQ---DQDEMEKON 239
QY 113 -ERNATVSLQALGKAEM--LCSTL-----KKQKYLEQOODETRQAQEEAGRL 159
DB 240 LEHISTLNITQLSDSKKKLDQFASVTEALEEGKKRQKEIENLTQYEEKAAYDKLEKT 299
QY 160 RSKMKTEQIELLQSQLPVEEMIRDMGVGQSAVEQOLAVYCVSLKKEYENLKERRASG 219
DB 300 KNRIQ--QELDDLTV--DLNQROLVSNLEKKQRKFDQLAEKNISSKYAD--ERDRAEA 354
QY 220 EVADKLKDLFSSRSKLOTYVS--ELDQAKLELSAQKDLQSA---DKELMSLKKKLTM 273
DB 355 EAREKETKALSLARALEALEAKELERTKMKLKAEMEDLVSSKDDYGVKWHLEKSKRA 414
QY 274 LQETL-NLPVASETVDRVLESAP--VEVNLKLRPSFRDDIDLNATFDVDTPPARPS 330
DB 415 LEQMEEMKTQLELEDELQASEDAKRLRLVNMQALKGQF--ERDQARDEQNEKRRQL 472
QY 331 SSQ-HGYEKLCLKESHPIDVPPKICKGPKRESOL 366
DB 473 QROLHEYTELEDERNERALAAAKKLEGLDLDEL 509

RESULT 40
US-08-533-306A-4
Sequence 4, Application US/08533306A
Patent No. 5837457
GENERAL INFORMATION:
APPLICANT: Liu, Pu
APPLICANT: Collins, Francis S.
APPLICANT: Siciliano, Michael J.
APPLICANT: Claxton, David
TITLE OF INVENTION: Markers for Detection of Chromosome 16
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
STREET: P.O. Box 828
CITY: Bloomfield Hills

STATE: MI
COUNTRY: USA
ZIP: 48303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/533,306A
FILING DATE: September 25, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Dean F.
REGISTRATION NUMBER: 36683
REFERENCE/DOCKET NUMBER: 2115-00869COB
TELECOMMUNICATION INFORMATION:
TELEPHONE: (810) 641-1600
TELEFAX: (810) 641-0270
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 885 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-533-306A-4

Query Match 6.0%; Score 142.5; DB 2; Length 885;
Best Local Similarity 22.6%; Pred. No. 0.0007;
Matches 76; Conservative 76; Mismatches 144; Indels 41; Gaps 15;

QY 61 KLEFDLAQEEENVLD--REFLNELD---NVRAGLSQDKKRRSQVYIIDLRPTLE---- 112
DB 252 KLAQDVASLSQADDTQELLQEEETROKLNSTKRLQLEERNLSQ---DQDEMEKON 308
QY 113 -ERNATVSLQALGKAEM--LCSTL-----KKQKYLEQOODETRQAQEEAGRL 159
DB 309 LEHISTLNITQLSDSKKKLDQFASVTEALEEGKKRQKEIENLTQYEEKAAYDKLEKT 368
QY 160 RSKMKTEQIELLQSQLPVEEMIRDMGVGQSAVEQOLAVYCVSLKKEYENLKERRASG 219
DB 369 KNRIQ--QELDDLTV--DLNQROLVSNLEKKQRKFDQLAEKNISSKYAD--ERDRAEA 423
QY 220 EVADKLKDLFSSRSKLOTYVS--ELDQAKLELSAQKDLQSA---DKELMSLKKKLTM 273
DB 424 EAREKETKALSLARALEALEAKELERTKMKLKAEMEDLVSSKDDYGVKWHLEKSKRA 483
QY 274 LQETL-NLPVASETVDRVLESAP--VEVNLKLRPSFRDDIDLNATFDVDTPPARPS 330
DB 484 LEQMEEMKTQLELEDELQASEDAKRLRLVNMQALKGQF--ERDQARDEQNEKRRQL 541
QY 331 SSQ-HGYEKLCLKESHPIDVPPKICKGPKRESOL 366
DB 542 QROLHEYTELEDERNERALAAAKKLEGLDLDEL 578

Search completed: September 4, 2002, 16:10:49
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